

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN NATURAL RESOURCE MANAGEMENT,
ENVIRONMENTAL SCIENCE, AGRICULTURE & AGED

NARE 450: AGROFORESTRY

STREAMS: BSC (NARE, ENSC, AGRI, AGED) Y4S1

TIME: 2 HOURS

DAY/DATE: MONDAY 17/12/2018

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- Answer ALL questions in section A and any other TWO in section B
- Do not write on the question paper

SECTION A: ANSWER ALL QUESTIONS

- Q1. Explain the attributes used for evaluation of agroforestry systems [6 marks]
- Q2. Giving examples, describe any three agroforestry technologies [6 marks]
- Q3. Describe the possible interaction among the three components of agroforestry [6 marks]
- Q4. Explain the criteria used in the classification of an agroforestry system [6 marks]
- Q5. Explain 'plant union' as a tree propagation method [6 marks]

SECTION B: ANSWER QUESTION 6 AND ANY OTHER

- Q6. Discuss the role of agroforestry in soil and water conservation [20 marks]
- Q7. Discuss the potential of agroforestry in the enhancement of food security and bioenergy [20 marks]
- marks]
- Q8. Discuss the methods of breaking seed dormancy [20 marks]